BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Repiar and Maintenance of Roads and Drains in Ward No. 09 (Vidyaranyapura).

Estimated Cost : Rs. 30.00 Lakhs

Head of Account : P-3726 Zonal Public Works - POW Works

Job Code: 009-22-000005

Name of Agency: Sri. Nagoor Lokanadha Reddy, No. Flat No. 102, 1st Floor, No. 02, MSNR, ENCLAVE 2nd Cross, Manorayanapalya, RT Nagar Post, Bangalore - 560032.

Work order No: BBMP/EE/BTP/WO/18/2022-23 D: 22-04-2022.

Measurement Recorded on: 25/5/2022.

Sl. No	Description	No.	L	B	D	Qty	Rate	Amount
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.						Cum	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 01 to 02 is =					**418.95**	206.00	**86304.00**
2	Providing and laying **Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm** and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications						Cum	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 03 is =					**69.15**	4581.00	**316776.00**
3	Providing laying palin / reinforced cement concrete for side drains using M 20 nominal mix concrete with OPC at 300 kgs with 20 mm and down size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed well compacted for walls and bottom including cenmtering shuttering form work etc. complete as per approved drawing and design MORTH Specification No. 1500,1700,2200 Wall & Bottom thickness 15cm						Cum	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 04 to 05 is =					**136.71**	5974.00	**816706.00**
4	Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. **TMT bars Fe 500**						Tonne	
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 06 is =					**8.07**	76553.00	**617783.00**
5	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.							
	Qty as per Pre-measurement Recorded vide E-Bill Page No. 07 is =					**14.18**	4911.00	**69638.00**
6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications.						Cum	
	Ramp							

Sl. No	Description	No.	L	B	D	Qty	Rate	Amoun
	7th A Cross Gurudharshan Layout N/S	1	15.00	0.30	0.10	0.45		
		1	15.00	0.30	0.10	0.45		
		1	15.00	0.30	0.10	0.45		
		1	15.00	0.30	0.10	0.45		
		1	15.00	0.30	0.10	0.45		
		1	15.00	0.30	0.10	0.45		
		1	6.30	0.30	0.10	0.19		
	7th A Cross Gurudharshan Layout S/S							
		1	15.00	0.30	0.10	0.45		
		1	11.00	0.30	0.10	0.33		
		1	15.00	0.30	0.10	0.45		
		1	8.20	0.30	0.10	0.25		
		1	15.00	0.30	0.10	0.45		
		1	10.30	0.30	0.10	0.31		
	4th A Cross Gurudharshan Layout N/S							
		1	15.00	0.30	0.10	0.45		
		1	5.00	0.30	0.10	0.15		
		1	15.00	0.30	0.10	0.45		
		1	10.00	0.30	0.10	0.30		
		1	15.00	0.30	0.10	0.45		
		1	8.50	0.30	0.10	0.26		
		1	15.00	0.30	0.10	0.45		
		1	10.00	0.30	0.10	0.30		
	3rd Main Venkataswamappa Layout N/S							
		1	15.00	0.30	0.10	0.45		
		1	15.50	0.30	0.10	0.47		
		1	15.00	0.30	0.10	0.45		
		1	14.00	0.30	0.10	0.42		
		1	15.00	0.30	0.10	0.45		
		1	15.00	0.30	0.10	0.45		
		1	15.00	0.30	0.10	0.45		
		1	8.80	0.30	0.10	0.26		
	2nd Cross Opp Road							
	E/S	1	15.00	0.30	0.10	0.45		
		1	10.00	0.30	0.10	0.30		
	W/S							
		1	15.00	0.30	0.10	0.45		
		1	10.00	0.30	0.10	0.30		
	1st Cross Opp Road							
	W/S	1	15.30	0.30	0.10	0.46		
	7th Cross Road Gurudharshan Layout Vent Concrete							
	E/S	1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
	W/S	1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		
		1	15.00	0.45	0.10	0.68		

ASSISTANT EXECUTIVE ENGIN
Vidyaranyapura Sub-Divisio
Bruhath Bengaluru Mahanagara

Description	No.	L	B	D	Qty	Rate	Amount
	1	15.00	0.45	0.10	0.68		
	1	15.00	0.45	0.10	0.68		
Culverts							
1st Cross Venkataswamappa Layout	1	4.30	1.50	0.15	0.97		
2nd Cross Venkataswamappa Layout	1	6.00	1.50	0.15	1.35		
7th Cross Road Gurudharshan Layout	1	6.30	1.50	0.15	1.42		
Ramp				Av.			
1st Cross Venkataswamappa Layout	2	4.30	1.00	0.15	1.29		
2nd Cross Venkataswamappa Layout	2	6.00	1.00	0.15	1.80		
7th Cross Road Gurudharshan Layout	2	6.30	1.00	0.15	1.89		
					32.80		
					32.79	4731.00	**155129.00**

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Pa

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidayranyapura Sub Division

Sl. No	Description	No.	L	B	D	Qty	Rate	Amount
	Measurement Recorded on:							
7	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge.					Sqm		
	7th A Cross Gurudharshan Layout N/S	1	15.00	0.75		11.25		
		1	10.00	0.75		7.50		
	7th A Cross Gurudharshan Layout S/S	1	15.00	0.75		11.25		
		1	10.00	0.75		7.50		
	3rd Main Venkataswamappa Layout N/S	1	15.00	0.75		11.25		
						48.75		
						45.00	1974.00	**88830.00**

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidayranyapura Sub Division

	Description	No.	L	B	D	Qty	Rate	Amount
	Measurement Recorded on:							
8	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge.						Sqm	
	1st Cross Venkataswamappa Layout	7	1.20	0.60		5.04		
	2nd Cross Venkataswamappa Layout	10	1.20	0.60		7.20		
	7th Cross Road Gurudharshan Layout	6	1.50	0.60		5.40		
	3rd Main Enterance Venkataswamappa Layout	10	1.50	0.60		9.00		
						26.64		
						24.30	4578.00	**111245.00**
	Sub Total							**2262411.00**
	GST @ 12%							**271489.00**
							Total	**2533900.00**

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Ruheth Bengaluru Mahanagara Palike